

**Amendments to the Specification:**

Please amend the paragraph beginning at page 3, line 28 as follows:

Therefore the formula (f-4) is written to the formula (f-5) below.

$$E^m(J) = t^m_o \cdot E_0 - J \cdot L_m / (t^m_o \cdot \sigma_m) \quad \underline{E^m(J) = t^m_o \cdot E_0 - J \cdot L_m / (t^m_o \cdot \sigma_m)} \quad (f-5)$$

Please amend the paragraph beginning at page 5, line 30, as follows:

~~FIG. 5 is a table showing oxygen ion conductivity and the oxygen ion transport number of the solid electrolyte layer in an SOFC in each of Examples 1a to 5b of the present invention.~~

Please amend the paragraph beginning at page 6, line 9, as follows:

FIG. 1A shows the SOFC according to the first embodiment of the present invention. As shown, the SOFC 1 of the first embodiment comprises a perovskite solid electrolyte layer 2 as a first solid electrolyte layer; a fuel electrode 4 formed on one surface of the first solid electrolyte layer; and an air electrode 3 formed on the opposite side thereof, with a second solid electrolyte layer 5 having a small hole transport number and a high oxygen ion transport number provided between the first solid electrolyte layer 2 and the air electrode 3.

Please amend the paragraph beginning at page 6, line 17, as follows:

In the case described here, for the first solid electrolyte layer 2, an LaGa-based perovskite compound, especially one having a composition formula of  $[(La_{2-x-y}Ln_xA_y)(Ga_{1-z}B_z)(O_{3-0.5(x+y+z)})]$ , exhibiting high oxygen ion conductivity at a low temperature, should preferably be used. Here, preferably, Ln is one or more kind of elements selected from ~~lanthanide~~ lanthanide elements Yb, Gd, Sm, Nd and Y ; A is an one or more kinds of element selected from Sr, Ba, Ca, and so on; and B is an element of one or two kinds,

selected from Mg, Zn, and so on. In addition, x should preferably be set in a range of 0.05 to 0.15 ; y in a range of 0.05 to 0.15 ; and z in a range of 0.05 or more to 0.25 or less.

Please amend the paragraph beginning at page 10, line 20, as follows:

FIG. 3A shows the SOFC of the second embodiment of the present invention. As shown in FIG. 3A, the SOFC 1 of the second embodiment comprises a perovskite solid electrolyte layer as a first solid electrolyte layer 2; an air electrode 3 formed on one surface of the first solid electrolyte layer; a fuel electrode 4 formed on the opposite side thereof; with a third solid electrolyte layer 6 having low electron and proton transport numbers and high oxygen ion transport number provided between the first solid electrolyte layer 2 and the fuel electrode 4.

Please amend the paragraph beginning at page 14, line 2 , as follows:

FIG. 4A shows the SOFC of the third embodiment of the present invention. As shown in FIG. 4A, the SOFC 1 of the third embodiment comprises: a perovskite solid electrolyte layer as a first solid electrolyte layer 2; an air electrode 3 formed on one side of the first solid electrolyte layer 2; a fuel electrode 4 formed on the opposite side thereof; with a second solid electrolyte layer 5 having a small hole transport number provided between the first solid electrolyte layer 2 and the air electrode 3; and a third solid electrolyte layer 6 having small electron and proton (mainly  $H^+$ ) transport numbers and provided between the first solid electrolyte layer 2 and the fuel electrode 4.

Insert the following table at page 22, line 22:

Table 1

No.	Layer-built solid electrolyte (2nd SE/ 1st SE/ 3rd SE)	Ion conductivity [ $\sigma$ ]	Ion transport number [ $T_{oi}$ ]
Example 1-a	YSZ / La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.017 S/cm	94 %
Example 1-b	YSZ / La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.017 S/cm	94 %
Example 2-a	SDC / La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.018 S/cm	94 %
Example 2-b	SDC / La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.018 S/cm	94 %
Example 3-a	La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.017 S/cm	96 %
Example 3-b	La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.017 S/cm	96 %
Example 4-a	YSZ / La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.016 S/cm	99 %
Example 4-b	YSZ / La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.016 S/cm	99 %
Example 5-a	SDC / La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.017 S/cm	99 %
Example 5-b	SDC / La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub> / YSZ	0.017 S/cm	99 %
Comparative Example a	La <sub>0.75</sub> Nd <sub>0.15</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.018 S/cm	91 %
Comparative Example b	La <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-d</sub>	0.01 S/cm	91 %

**Amendments to the Drawings:**

Replacement sheets of the drawings are attached. Figure 5 has been deleted from the Figures, therefore 4 sheets of replacement drawings are attached.